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Conference on New Frontiers in Scaling Quantum: from Materials and Hardware to Architectures and Components | (smr 3916)

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Noise (TLS, quasiparticles, spins) and new materials (I) - Budinich Lecture Hall (LB) (09:00-17:30)

time	title	presenter
09:00	Introduction for students: TLS	ROSARIO FAZIO (ICTP), MATT MCEWEN (GOOGLE), LARA FAORO (GOOGLE)
09:45	Voltage Induced Annealing of Aluminum Oxide Tunnel Junctions	DAVID PAPPAS
10:30	Coffee break	
11:00	Enhancing the coherence of superconducting qubits with electric fields	ALEXEY USTINOV
11:45	Probing the magnetic field dependence of flux noise with superconducting qubits	DAVID ROWER, LAMIA ATESHIAN
12:30	Lunch break	
13:30	Inductive losses in flux qubits:limitation and perspectives	IOAN POP
14:15	New material platforms for quantum computing	NATHALIE DE LEON
15:00	Coffee break	
15:30	Round table I	MICHEL DEVORET (GOOGLE AND YALE), NATHALIE DE LEON (PRINCETON UNIVERSITY), GEORGE STERLING (GOOGLE), DAVE PAPPAS (RIGETTI), ALEXEY USTINOV (KARLSRUHE INSTITUTE OF TECHNOLOGY)